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March 21, 2005

TO:

Commissioner for Patents

Attn: Examiner Gary B. Nickol

P.O. Box 1450

Alexandria, VA 22313-1450

FROM:

Katherine M. Kowalchyk

OUR REF:

11669.192USC1

TELEPHONE:

612.371.5311

Total pages, including cover letter: 6

PTO FAX NUMBER 1-703.872.9306

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Title of Document Transmitted:

INFORMATION DISCLOSURE

STATEMENT AND FORM 1449

Applicant:

GERRITSEN ET AL.

Serial No.:

10/811,080

Filed:

MARCH 26, 2004

Group Art Unit: 1642

Our Ref. No.:

11669.192USC1

a Bouton

Confirmation No. 8064

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Name: Katherine M. Kowalchyk

Reg. No.: 36,848

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Sheryl A. Boerboom

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Date

arch 21, 2005

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S/N 10/811,080

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

GERRITSEN ET AL.

Examiner:

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Serial No.:

10/811,080

Group Art Unit:

1614

MAR 2 1 2005

Filed:

MARCH 26, 2004

Docket No.:

11669.192USC1

Confirmation No.:

8064

Customer No.:

23552

Title:

NOVEL POLYPEPTIDES, THEIR NUCLEIC ACIDS, AND

METHODS FOR THEIR USE IN ANGIOGENESIS AND

VASCULARIZATION

CERTIFICATE UNDER 37 CFR 1.8(b):

I hereby certify that this paper is being transmitted by facsimile to the U.S. Patent and Trademark Office on March 21,

2005.

INFORMATION DISCLOSURE STATEMENT (37 C.F.R. § 1.97(b))

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

Dear Sir:

With regard to the above-identified application, the items of information listed on the enclosed Form 1449 are brought to the attention of the Examiner.

This statement should be considered because it is submitted before the mailing date of a first Office Action on-the-merits. Accordingly, no fee is due for consideration of the items listed on the enclosed Form 1449.

In accordance with 37 C.F.R. §1.98(d), a copy of each document or other information listed on the enclosed Form 1449 is not provided because it was previously cited by or submitted to the U.S. Patent and Trademark Office in parent application, U.S. Serial No. 09/684,458 filed on October 5, 2000.

No representation is made that a reference is "prior art" within the meaning of 35 U.S.C. §§ 102 and 103 and Applicants reserve the right, pursuant to 37 C.F.R. § 1.131 or otherwise, to establish that the reference(s) are not "prior art." Moreover, Applicants do not represent that a

reference has been thoroughly reviewed or that any relevance of any portion of a reference is intended.

Consideration of the items listed is respectfully requested. Pursuant to the provisions of M.P.E.P. 609, it is requested that the Examiner return a copy of the attached Form 1449, marked as being considered and initialed by the Examiner, to the undersigned with the next official communication.

Please charge any additional fees or credit any overpayment to Deposit Account No. 13-2725.

23552 PATENT TRADUMARK OPPICE Respectfully submitted,

MERCHANT & GOULD P.C. P.O. Box 2903

Minneapolis, Minnesota 55402-0903

(612) 332-5300

Date: Much 21, 2005

When Wern alilyh Katherine M. Kowalchyk

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FORM 1449* INFORMATION DISCLOSURE STATEMENT	Docket Number: 11669.192USC1	Application Number: 10/811,080		
IN AN APPLICATION	Applicant: GERRITSEN ET A	Applicant: GERRITSEN ET AL.		
(Use several sheets if necessary)	Filing Date: 03/26/2004	Group Art Unit: 1614		

	·		U	.S. PATENT DOCUMEN	TS .			
EXAMINER INITIAL	DOCUMENT NO.		DATE	NAME	CLASS	SUBCLASS		DATE OPRIATE
	5,650,28	32	07/22/1997	Keating et al.				
	5,871,69	7	02/16/1999	Rothberg et al.				
			FOR	EIGN PATENT DÓCUN	/DENTS		<u> </u>	
_	DOCT	MENT NO.	DATE	COUNTRY	CLASS	SUBCI ASS	TRANS	LATION
	Docc	JWENT NO.	DATE	COOMIN	02.100	00201140	YES	NO
	WO 99/	06423	02/11/1999	РСТ				
	WO 00/	73469	07/12/2000	PCT				
		·						
		OTHER	DOCUMENT:	(Including Author, Title,	Date, Pertinent 1	Pages, Etc.)		
				Biology of the Cell, 3rd Edi				
				Biology of the Cell, 4th Edi				
			al., "Predicting 6 263 (1995)	coiled coils by use of pair	vise residue corre	elations", Proc. Nat	l., Acad. Sci.	USA,
		Bowie et :		the message in protein so	quences: toleran	ce to amino acid su	bstitutions", .	Science,
	1	Burkhard	Burkhard et al., "Coiled coils: a highly versatile protein folding motif", Trends Cell Biol., 11:82-88 (2001)					
		DATABA	SE EMBL SEQ	UENCES (Online), Acces	sion No. A16841	747, May 23, 1999	(2 pages)	
		DATABA	DATABASE EMBL SEQUENCES (Online), Accession No. Q9NXBB, October 1, 2000 (1 page)					
		formation	al., "An alpha and coalescence Res, 224:39-51 (2 bera 1 integrin-deper c regulates capillary luma 1996)	dent pinocytic en and tube form	mechanism involvemention in three-dim	ring intracell nensional coll	ular vacuol agen matrix
		Dentelli e Immunol.	t al., "Human II 163:2151-2159	√3 stimulates endothelial (1999)	cell motility and	I promotes in vivo	new vessel f	ormation", .
		Dragoni e Bio. Chen	et al., "EDF-1, a 7., 273(47):3111	n Novel Gene Product Do 9-31124 (1998)	wn-regulated in	Human Endothelia	al Cell Differ	entiation", 2
		Ellson et :	al., "The PX dor	nain: a new phosphoinosit	de-binding mod	ule", <i>J. Cell Sci.</i> , 1	15:1099-1105	(2002)
			et al., "Induction):58-61 (1989)	of angiogenesis during th	e transition from	hyperplasia to neo	plasia", Natu	re,

EXAMINER	DATE CONSIDERED

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Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

^{*}Substitute Disclosure Statement Form (PTO-1449)

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T-811 P.005/006 F-236

Date Mailed: March 21, 2005

Sheet 2 of 3

FORM 1449* INFORMATION DISCLOSURE STATEMENT	Docket Number: Application Number: 11669.192USC1 10/811,080
IN AN APPLICATION	Applicant: GERRITSEN ET AL.
(Use several sheets if necessary)	Filing Date: 03/26/2004 Group Art Unit: 1614

	Fu et al., EMBO Journal, 15:4392-4401 (1996)
	Gattiker et al., "ScanProsite: A reference implementation of a PROSITE scanning tool", Applied Bioinformatics, 1:107-108 (2002)
	GenBank NP_060241, PX serine/threonine kinase (Homo sapiens)
	Horton et al., "Better prediction of protein cellular localization sites with the k nearest neighbors classifier", Proc. Int. Conf. Intell. Syst. Mol. Biol., 5:147-152 (1997)
	Hua et al., "Support vector machine approach for protein subcellular localization prediction", Bioinformatics, 17:721-728 (2001)
	Han et al., "Distinct signal transduction pathways are utilized during the tube formation and survival phases of in vitro angiogenesis", J. Cell Sci., 111(Pt 24):3621-3631 (1998)
	Juarez et al., "Histidine-proline-rich glycoprotein has potent antiangiogenic activity mediated through the histidine-proline-rich domain", Cancer Res., 62:5344-5350 (2002)
	Lupas, "Coiled coils: new structures and new functions", Trends Biochem. Sci., 21:375-382 (1996)
	Lupas, "Prediction and analysis of coiled-coil structures", Methods Enzymol., 26:5:313-525 (1996)
	Lupas et al., "Predicting coiled coils from protein sequences", Science, 252:116:2-1164 (1991)
	Meggio et al., "One-thousand-and-one substrates of protein kinase CK2?", FASEB J., 17:349-368 (2003)
	Mendell et al., "When the message goes awry: disease-producing mutations that influence mRNA content and performance", Cell. 107:411-414 (2001)
	Nielsen et al., "Identification of prokaryotic and cukaryotic signal peptides and prediction of their cleavage sites" Protein Eng., 10:1-6 (1997)
	Nielsen et al., "A neural network method for identification of prokaryotic and cukaryotic signal peptides and prediction of their cleavage sites", Int. J. Neural Syst., 8:581-599 (1997)
	Parry, "Coiled-coils in alpha-helix-containing proteins: analysis of the residue types within the heptad repeat and use of these data in the prediction of coiled-coils in other proteins", Blosci. Rep., 2:1017-1024 (1982)
- 1	Sassone-Corsi, "Transcription factors responsive to cAMP", Annu. Rev. Cell D. v. Biol., 11:355-377 (1995)
	Sato et al., "Location, location: membrane targeting directed by PX domains", Science, 294:1881-1885 (2001)
	Shimkets et al., "Gene expression analysis by transcript profiling coupled to a gene database query", Nature Biotechnology. 17(8):798-803 (1999)
	Soeda et al., "An attempt to promote neo-vascularization by employing a newly synthesized inhibitor or protein tyrosine phosphatase", FEBS Leuers, 524:54-58 (2002)
	St. C. Buchanan et al., "Structural and functional diversity in the leucine-rich repeat family of proteins", Prog. Biophys. Molec. Biol., 65:1-44 (1996)
	Weidner et al., "Turnor angiogenesis and metastasiscorrelation in invasive breast carcinoma", New England J. of Medicine, 324(1):1-8 (1991)

EXAMINER	DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form for next communication to the Applicant.

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Date Mailed: March 21, 2005

Sheet 3 of 3

FORM 1449* INFORMATIO	N DISCLOSURE STATEMENT	Docket Number: 11669.192USC1	Application Number: 10/811,080
LN .	AN APPLICATION	Applicant: GERRITSEN ET AL.	
(Use se	everal sheets if necessary)	Filing Date: 03/26/2004	Group Art Unit: 1614

Xin et al., "Peroxisome proliferators-activated receptor gamma ligands are potent inhibitors of angiogenesis in vitro and in vivo", J. Biol. Chem., 274:9116-9121 (1999)
Xu et al., "The Phox homology (PX) domain, a new player in phosphoinositide signaling", Biochem. J., 360:513-530 (2001)

23552

EXAMINER DATE CONSIDERED

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